SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800 Rev. 8/27/01 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, CP4-9C18, 306-5429. Serial # 10/039336 Priority Application Date 10/29/01 Your Name Examiner # 6849 Phone 308-4830 Room In what format would you like your results? Paper is the default. **PAPER** DISK **EMAIL** If submitting more than one search, please prioritize in order of need. The EIC searcher normally will contact you before beginning a prior art search. If you would lik to sit with a searcher for an interactive search, please notify one of the searchers. 10-03-02A11:35 PAID Where have you searched so far on this case? DWPI EPO Abs JPO Abs **IBM TDB** Circle: . USPT Other: What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. None What types of references would you like? Please checkmark: Other Litigation Primary Refs Nonpatent Literature Secondary Refs \_\_\_\_ Foreign Patents Teaching Refs \_\_\_\_ What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims. Vendors Staff Use Only Type of Search Structure (#)\_\_\_\_ STN Searcher: Bibliographic\_\_ Dialog\_ Searcher Phone: Litigation\_ Searcher Location: STIC-EIC2800, CP4-9C18 Ouestel/Orbit Date Searcher Picked Up: Fulltext\_ Lexis-Nexis Patent Family\_\_\_\_ WWW/Internet Date Completed:

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10/3/02

To: QUE LE

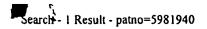
Re: 10/039,336 US 5,981,940

Attached are search results.

No U. S. litigation was found in searches of Lexis-Nexis and Questel-Orbit databases.

If more searching or explanation is needed, please let me know.

Thanks,
Darcy Bates
STIC-EIC2800
306-5419
CP4-9C 18



Source: Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility Patents (

Terms: patno=5981940 (Edit Search)

## 08929539 () 5981940 November 9, 1999

# UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT 5981940

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# Link to Claims Section GET 1st DRAWING SHEET OF 2

November 9, 1999

Angle measuring system with a clampable shaft

REISSUE: October 29, 2001 - Reissue Application filed Ex. Gp.: 2878; Re. S.N.

10/039,336April 23, 2002

INVENTOR: Setbacken, Robert, Santa Barbara, CA; Goeden, Richard Michael, Santa

Barbara, CA

APPL-NO: 08929539 ()

FILED-DATE: September 15, 1997

**GRANTED-DATE:** November 9, 1999

ASSIGNEE-AT-ISSUE: Renco Encoders, Inc., Goleta, CA

ASSIGNEE-AFTER-ISSUE: March 30, 1998 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE

DOCUMENT FOR DETAILS)., RENCO ENCODERS, INC. 26 COROMAR DRIVE GOLETA,

CALIFORNIA 93117,, Reel and Frame Number: 009080/0281

LEGAL-REP: Brinks Hofer Gilson & Lione

PUB-TYPE: November 9, 1999 - Utility Patent having no previously published pre-grant

publication (A)

**PUB-COUNTRY:** United States (US)

**US-MAIN-CL:** 250#23113

**US-ADDL-CL:** 250#23118

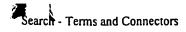
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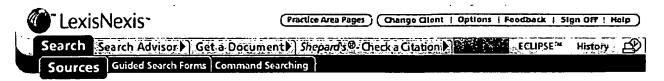
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PRIM-EXMR: Le, Que T.

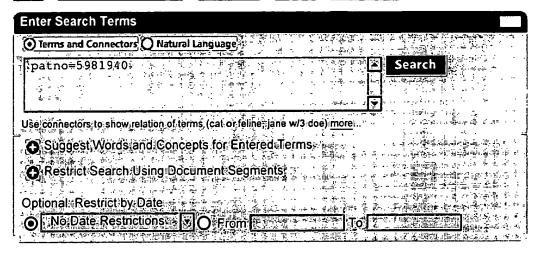
**REF-CITED:** 

<u>4031441</u>, 1977, United States (US) <u>4652748</u>, 1987, United States (US)





Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility Patents (i)



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Selected file: PLUSPAT PLUSPAT - (c) Questel-Orbit, All Rights Reserved. Comprehensive Worldwide Patents database New Patent Citation Commands & FAM Citation Report - see INFO PATCITE Last update of file: 2002/10/02 (YYYY/MM/DD) 2002-39/UP (basic update) Search statement 1 ?us5981940/pn \*\* SS 1: Results 1 Search statement ?prt fu legalall max 1/1 PLUSPAT - (C) QUESTEL-ORBIT PN - US5981940 A 19991109 [US5981940] TI - (A) Angle measuring system with a clampable shaft PA - (A) RENCO ENCODERS INC (US) - (A) SETBACKEN ROBERT (US); GOEDEN RICHARD MICHAEL (US) AP - US92953997 19970915 [1997US-0929539] PR - US92953997 19970915 [1997US-0929539] - (A) G01D-005/34 - G01D-005/347C2 PCL - ORIGINAL (O) : 250231130; CROSS-REFERENCE (X) : 250231180 - Corresponding document CT - US4031441; US4652748; DE3038005 A1; DE89151097 STG - (A) United States patent AB - The angular measuring system has a hollow pick-up shaft whose end is slitted, and the slitted area has an interior thread. A screw with an exterior thread is provided for clamping the pick-up shaft in a bore of a driveshaft. The screw is turned into the pick-up shaft until it is axially supported on a detent. By further turning of the screw the thread flanks of the interior thread and of the exterior thread cause the slit end of the pick-up shaft to be spread open radially. 1/1 LGST - (C) LEGSTAT PN - US 5981940 [US5981940] AP - US 929539/97 19970915 [1997US-0929539] DT - US-P ACT - 19970915 US/AE-A APPLICATION DATA (PATENT) (US 929539/97 19970915 [1997US-0929539]) - 19991109 US/A PATENT - 20020423 US/RF REISSUE APPLICATION FILED 20011029

1/1 CRXX - (C) CLAIMS/RRX

AN - 3232930

UP - 2002-18

PN - 5,981,940 A 19991109 [US5981940]

PA - Renco Encoders Inc

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10/039336
  PT - E (Electrical)
 ACT - 20011029 REISSUE REQUESTED
       ISSUE DATE OF O.G.: 20020423
       REISSUE REQUEST NUMBER: 10/039336
       EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2878
       Reissue Patent Number:
 UP - 2002-17
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  1/1 PAST - (C) Thomson Derwent
 AN - 200217-001780
  PN - 5981940 A [US5981940]
 DT - A (UTILITY)
 OG - 2002-04-23
 CO - REA
 ACT - REISSUE APPLICATION FILED
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 Search statement
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1 Patent Groups \*\* SS 1: Results 3

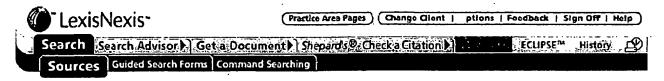
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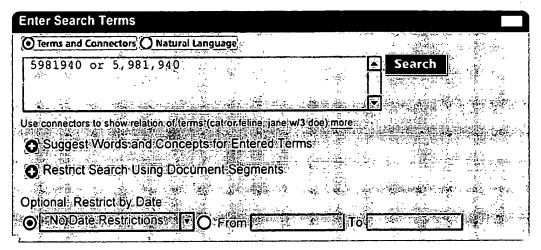
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      (EP 98113081/98 19980714 [1998EP-0113081])
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    - 19990317 EP/AX [+]
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     AL; LT; LV; MK; RO; SI
    - 19990317 EP/A2 [+]
     PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT
    - 19990818 EP/RIN1
     INVENTOR (CORRECTION)
     SETBACKEN, ROBERT * GOEDEN, RICHARD, MICHAEL
    - 20020522 EP/AK-A3 [+]
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    - 20020522 EP/A3 [+]
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7G 01D 5/347 A, 7F 16D 1/08
UP - 2002-21
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PN - EP 902256 A2 19990317 [EP-902256]
TI - ANGLE MEASURING DEVICE
LA - GER
IN - SETBACKEN ROBERT [US]
PA - HEIDENHAIN GMBH DR JOHANNES [DE]
AP - EP 98113081/98-A 19980714 [1998EP-0113081]
PR - US 929539/97-A 19970915 [1997US-0929539]
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     PT* SE*
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      7G 01D 5/347 A, 7F 16D 1/08 B
UP - 2002-21
3/3 INPADOC - (C) INPADOC
PN - US 5981940 A 19991109 [US5981940]
TI - ANGLE MEASURING SYSTEM WITH A CLAMPABLE SHAFT
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AP - US 929539/97-A 19970915 [1997US-0929539]
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DT - US-P
ACTE- 19970915 US/AE-A
      APPLICATION DATA (PATENT)
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    - 19991109 US/A
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    - 20020423 US/RF
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      20011029
UP - 2002-18
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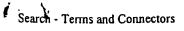
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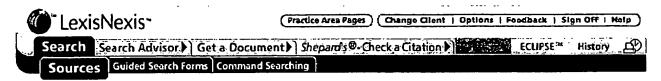
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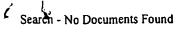
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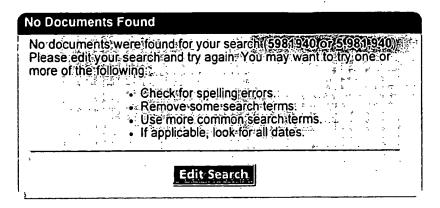




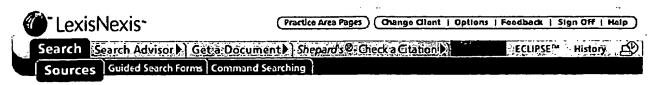
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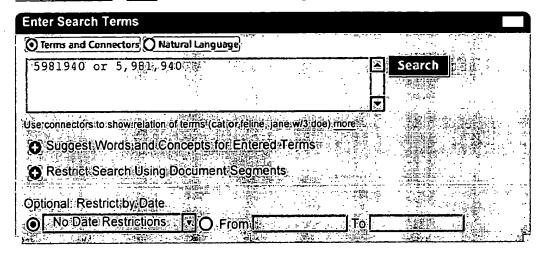




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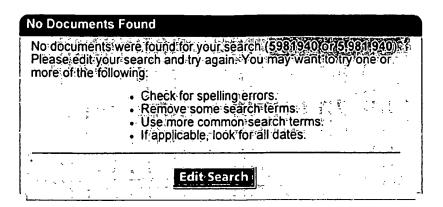
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